The Viscous Properties of Diols
I. The Homologous Series of 1,2- and 1, n-Alkanediols

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The paper presents the results of viscosity measurements performed on 1,2-alkanediols,
H(CH₂)ₙ−₂CH(OH)CH₂(OH), n = 2 : 12, and 1, n-alkanediols, HO(CH₂)ₙOH, n = 2 : 10, as func-
tions of the temperature. It is shown that the viscosity (at constant temperature) and activation energy
of the viscosity show a quite different dependence on the length of the alkane chain in 1,2- and 1, n-
alkanediols molecules.

Key words: Shear Viscosity; Alkanediols; Hydrogen Bonds; Self-association.